Abstract

Available methods for image contrast enhancement focus mainly on the properties of the image to be processed while excluding any consideration of the observer characteristics. In many applications, especially in the medically related images, effective contrast enhancement for diagnostic purposes can be achieved by including certain basic human visual properties. Available techniques for contrast enhancement pertaining to medical image depend on the
image characteristics, hence a hybrid contrast enhancement techniques are preferentially considered for medical image to observe better result. Present work deals with above context for CT scan images with single seed based region growing adaptive enhancement techniques. Experimental result shows that the proposed work gives better performance when compared to the existing techniques.

References


Index Terms

Computer Science   Image Processing

Keywords

Region Growing       Adaptive Histogram Equalization       Ct Scan Image       Single Seed Pixel